

IN THE CLAIMS:

Please replace all previously pending claims with the listing of claims set forth below:

1. (Currently Amended) ~~An energy~~ Energy-generating system using sea waves, which ~~includes~~ comprises:

at least one floating body (1) which moves to produce energy in response to the ascent and descent of the sea waves,

a ballast (2),

a ballast chain or cable (3) attached to said ballast (2),

at ~~lest~~ least one connecting cable or chain (4) between said ballast chain or cable (3) and said floating body (1),

means for converting the movement of said floating body (1) into mechanical energy when said floating body moves in response to the ascent and descent of the waves,

at least one recovery device[[,]] situated inside said floating body (1) that permits recovery of said cable or chain (4) to its initial coiled position during the descent of the wave,

at least one device for converting said mechanical energy into energy other than mechanical energy, situated inside said floating body (1), and

[[and]] means for transmitting said energy to dry land or to a fixed structure,

wherein said floating body (1) is mounted on a structure (5),

~~in that it~~ wherein said system includes at least one horizontal shaft (9) integral by its ends to said structure (5), and

~~in that~~ wherein said means for converting the movement of said floating body (1) into mechanical energy include a moving housing (10) around which the connecting cable or chain (4) winds, with said housing (10) being mounted in rotating fashion in relation to said horizontal shaft (9)[[,]] in such a way that it rotates under the action of said wound float cable or chain (4) when said floating body ascends due to the ascent of the wave.

2. (Previously Presented) Energy generating system according to claim 1, wherein said at least one device for converting the mechanical energy includes an electrical generator (15) and means for transmitting said mechanical energy to said generator (15).

3. (Previously Presented) Energy generating system according to claim 2, wherein said means of transmitting said mechanical energy to said generator (15) include an interior crown gear (12) attached so as to form part of the moving housing (10), a pinion (13) that meshes with said crown gear (12) and a multiplier (14) attached to said pinion (13).

4. (Previously Presented) Energy generating system according to claim 1, further comprising at least two floating bodies (1) mounted on said structure (5) and at least two parallel horizontal shafts (9) integral by their ends to said structure (5), with the cables or chains (4) of said floating bodies wound in the opposite direction on the moving housings (10) of the floating bodies (1), in such a way that they rotate in opposite directions to one another due to the action of said wound cables or chains (4).

5. (Previously Presented) Energy generating system according to claim 1, wherein said recovery device includes a coil spring (11), said spring (11) being attached by one of its ends to the horizontal shaft (9) integral to the structure (5) and by another of its ends to the moving housing (10) of said floating body (1).

6. (Previously Presented) Energy generating system according to claim 1, wherein said structure (5) includes at least one profile parallel to said at least one horizontal shaft (9) and means for cleaning off the marine incrustations on the outer face of said moving housing (10), attached to said profile and to said structure (5).

7. (Previously Presented) Energy generating system according to claim 6, wherein said means for cleaning off the incrustations are scrapers.

8. (Previously Presented) Energy generating system according to claim 1, further comprising at least one intermediate buoy (7) attached to said ballast chain or cable (3).

9. (Previously Presented) Energy generating system according to claim 1, further comprising a plurality of modules (17), each of them formed of at least one floating body (1).

10. (Previously Presented) Energy generating system according to claim 8, wherein each module (17) is formed by at least said floating body (1) and by at least said intermediate buoy (7) attached to said ballast chain or cable (3).

11. (Previously Presented) Energy generating system according to claim 1, wherein said structure (5) includes means for guiding said connecting cable or chain (4).